

## SKY-5FCAT6ALZ-GY

5ft Gray CAT 6A LSZH Ethernet Cable Snagless Bubble Boot RJ-45 M/M

### Product Description

This is a 5ft Gray CAT 6A LSZH Ethernet Cable Snagless Bubble Boot RJ-45 M/M. CAT6A cables provide blazing-fast internet speeds at up to 500 MHz, with a maximum speed of 10 Gbps (Gigabits per second) over the full range of 100 meters (328 feet). They are perfect for demanding home or office networks. UTP cables consist of pairs of insulated copper wires twisted together. Each pair is color-coded for easy identification. There is no additional shielding around the pairs, which makes these cables lightweight and flexible. The twisting helps to reduce electromagnetic interference (EMI) and crosstalk between pairs. LSZH cables are designed for safety, producing minimal smoke and no toxic halogen gases in the event of a fire, making them ideal for use in enclosed spaces where air quality is a concern. Our cables are PoE capable and TIA compliant, ensuring performance for all networking needs.

### Features

- CAT6A
- LSZH cable jacket type
- Gray Jacket Color
- Supports up to 10G Base-T Ethernet
- 5m Length

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*For your product safety, please read the following information carefully before any manipulation of the transceiver:*



#### **ESD**

*This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 /JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.*



#### **LASER SAFETY**

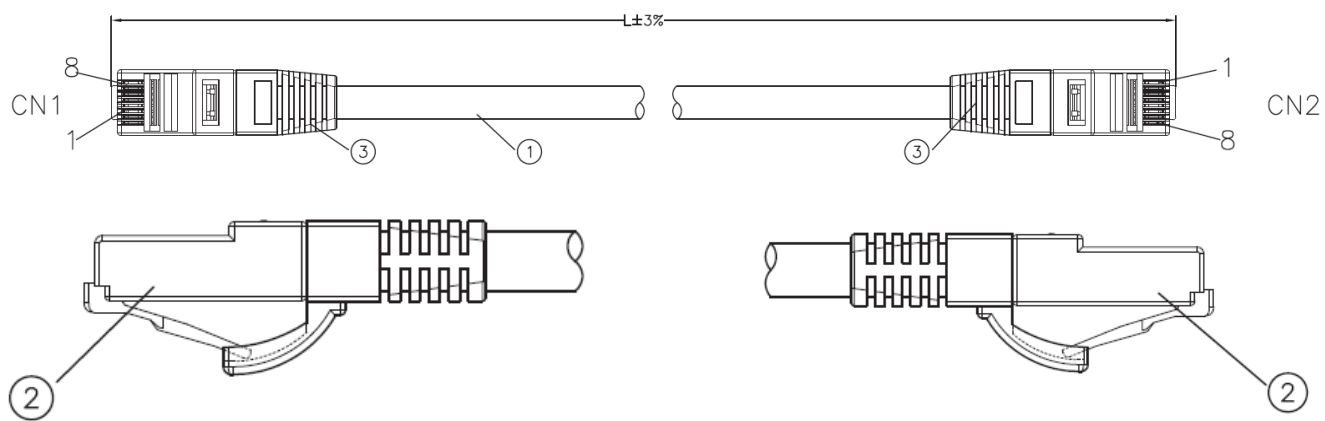
*This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).*

*The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.*

General Specifications

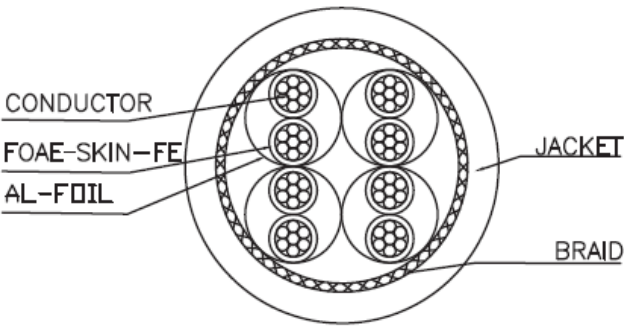
| Parameter             | Specifications           |
|-----------------------|--------------------------|
| Connector             | RJ-45 Male to RJ-45 Male |
| Color                 | Blue                     |
| Cable Mode            | UTP                      |
| Jacket Type           | LSZH </td                |
| Termination Type      | Straight                 |
| Boot Style            | Booted, Snagless         |
| Wire Gauge            | 24 AWG                   |
| Cable Type            | CAT6A                    |
| Operating Temperature | -30°C to 80°C            |
| Storage Temperature   | -40°C to 90°C            |

Mechanical Specifications



| Item | Figure          | Specifications                                               |
|------|-----------------|--------------------------------------------------------------|
| 1    | Cable           | SSTP OD:5.8±0.2mm, Color: Blue                               |
| 2    | RJ-45 Connector | RJ45, 8P8C, Two Fork Gold-Plated Contacts with Metal Housing |
| 3    | Molding PVC     | Molding PVC 45P                                              |

Cable Details



| PIN OUT |                                                                                    |        |                                                                                     |   |
|---------|------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------|---|
| CN1     | WIRE COLOR                                                                         |        | CN2                                                                                 |   |
| 1       |  | WHITE  |  | 1 |
| 2       |                                                                                    | ORANGE |                                                                                     | 2 |
| 3       |  | WHITE  |  | 3 |
| 6       |                                                                                    | GREEN  |                                                                                     | 6 |
| 4       |  | BLUE   |  | 4 |
| 5       |                                                                                    | WHITE  |                                                                                     | 5 |
| 7       |  | WHITE  |  | 7 |
| 8       |                                                                                    | BROWN  |                                                                                     | 8 |
| SHELL   | BRAID                                                                              |        | SHELL                                                                               |   |

# About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

